

PATENT ABSTRACTS OF JAPAN

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(71)Applicant : MITSUBISHI KASEI CORP

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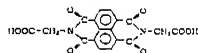
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(54) PRODUCTION OF POLYESTER RESIN MOLDING

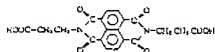
(57)Abstract:

PURPOSE: To obtain the subject molding having an excellent ultraviolet screening property and a good hue by mixing a polyethylene terephthalate resin with a polybutylene terephthalate resin composition containing a specified ultraviolet screening agent and molding the resulting mixture.

CONSTITUTION: A polyethylene terephthalate resin (A) is mixed with a polybutylene terephthalate resin composition (B) containing at least one member selected from among naphthalenetetracarboxylic acid, its anhydride, its imide and its ester (e.g. formula I or II) in an amount effective in screening ultraviolet rays. The obtained mixture is molded to obtain a polyester resin molding. The obtained molding is excellent in ultraviolet screening property, gas barrier property, toughness, chemical resistance, transparency, etc., and is suitable for containers for soy, MIRIN (a Japanese sweet alcoholic seasoning), etc. When a naphthalenedicarboxylic acid (derivative) is further added to component B, the obtained molding can show a still more improved ultraviolet screening property.



I



II

JP Pat. Application Disclosure No. 3-020353 - 29 January 1991

Application No. 1-154156 - 16 June 1989

Applicant: Mitsubishi Kasei K.K., Tokyo, JP

Title: Method for the production of a polyester resin molded body

[Claims]

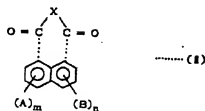
1. A method for the production of a polyester resin molded body, characterized by molding a polyester resin composition obtained by compounding

(A) polyethylene terephthalate resin with

(B) polybutylene terephthalate resin composition obtained by adding at least one kind of naphthalene tetracarboxylic acid or its anhydride, imide or ester to a polyester composition in an amount effective for blocking ultraviolet rays.

2. The method for the production of polyester resin molded body according to Claim 1, wherein naphthalene dicarboxylic acid or its derivative is further added to (B) polybutylene terephthalate resin composition.

[Excerpt from the descriptive part of the specification]



[wherein X is O or NR⁵; R⁵ is a hydrogen, halogen, hydroxyl group or optionally substituted alkyl group, alkenyl group, aryl group, aralkyl group or alkyl aralkyl group; R³, R⁴ are the same or different and represent hydrogen, halogen or optionally substituted alkyl group, alkenyl group, aryl group, aralkyl group or alkyl aralkyl group; A, B are the same or different and represent halogen, hydroxyl group, amino group, nitro group, cyano group, sulfonic acid group or its metal salt, carboxyl group, optionally substituted alkyl group, alkoxy group, alkenyl group, aryl group, aralkyl group or alkyl aralkyl group; m, n are integers of 0 to 3; m + n is 0 to 6; the acid anhydride group or imide group of -C(=O)-X-C(O)- forms rings at 1, 8 positions, 2, 3 positions or 3, 4 positions of the naphthalene ring.]